

2005/11/23 01:19:21 PM

[File 2] INSPEC 1898-2005/Nov W2  
 [File 6] NTIS 1964-2005/Nov W2  
 [File 8] Ei Compendex(R) 1970-2005/Nov W2  
 [File 34] SciSearch(R) Cited Ref Sci 1990-2005/Nov W3  
 [File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec  
 [File 35] Dissertation Abs Online 1861-2005/Nov  
 [File 65] Inside Conferences 1993-2005/Nov W3  
 [File 94] JICST-EPlus 1985-2005/Sep W3  
 [File 99] Wilson Appl. Sci & Tech Abs 1983-2005/Oct  
 [File 144] Pascal 1973-2005/Nov W2  
 [File 23] CSA Technology Research Database 1963-2005/Nov  
 [File 239] Mathsci 1940-2005/Jan  
 [File 60] ANTE: Abstracts in New Tech & Engineer 1966-2005/Nov  
 [File 68] Solid State & Superconductivity Abstracts 1966-2005/Nov

Set	Items	Description
S1	6335815	S LES? ? OR LED? ? OR LIGHT(2N)(EMIT?????? OR EMISS??????) OR OLED? ? OR EL? ? OR ELECTROLUM? OR SEMICONDUCT????(2N)LASER? ? OR LIGHT()EMIT??????() (SEMICONDUCTOR???? OR WAFER???? OR IC? ? OR INTEGRATED()CIRCUIT? ? OR CHIP? ?) OR SURFACE()EMIT??????()LASER? ? OR UNITARY()LENS()SEMICONDUCTOR? ? OR RESONANT()CAVITY()LIGHT()EMIT??????()DIODE? ? OR VERTICAL()CAVITY()SURFACE()EMIT??????()LASER? ? OR RESONANT()CAVITY()PHOTODETECTOR? ? OR PLASMON???
S2	1175050	S (PLURALIT???? OR MULTIPLE? ? OR MANY OR DIFFERENT OR NUMEROUS OR NUMBER???? OR VARIOUS OR SEVERAL???? OR DIVERS???? OR VARY????? OR VARIET????? OR VARIABLE OR TWO OR THREE OR FOUR OR 2 OR 3 OR 4 OR MORE)(3N)(LAYER???? OR STACK???? OR THICKNESS??? OR SHEET? ? OR DEPOSIT????) OR MULTILAYER??? OR MULTISTACK???
S3	277790	S (LIGHT??? OR ILLUM??????? OR RADIAT????)(3N)(REGION? ? OR PORTION OR AREA? ? OR PART????? OR SECTION???? OR SURFACE? ? OR SEGMENT????? OR SECTOR????? OR END? ?)
S4	112552	S (FIRST OR ONE OR 1ST)(3N)(LAYER???? OR STACK???? OR THICKNESS??? OR SHEET? ? OR DEPOSIT????)
S5	274758	S (DIELECTRIC? ? OR NONCONDUCTOR? ? OR NON()CONDUCTOR? ?)(3N)(FUNCTION? ? OR CONSTANT? ? OR COEFFICIENT? ? OR PARAMETER? ? OR PROPERT??? OR RATIO? ? OR NUMBER???? OR VALUE? ?)
S6	379073	S (VARIES OR VARIA????? OR VARY????? OR CHANG????)(3N)(SPATIAL????? OR PERIOD??????? OR FREQUEN???????)
S7	7987167	S PATTERN????? OR PROJECT????? OR ARRAY????? OR LATTICE????? OR MATRIX??? OR MATRICE??? OR TEMPLATE? ? OR GRID? ?
S8	566566	S (LATTICE OR CRYSTAL????????? OR GRAT????)(3N)(FUNCTION? ? OR CONSTANT? ? OR COEFFICIENT? ? OR PARAMETER? ? OR PROPERT??? OR RATIO? ? OR NUMBER???? OR VALUE? ?)
S9	2825	S DETUN????(3N)(FUNCTION? ? OR CONSTANT? ? OR COEFFICIENT? ? OR PARAMETER? ? OR PROPERT??? OR RATIO? ? OR NUMBER???? OR VALUE? ?)
S10	0	S S1 AND S2 AND S3 AND S4 AND S5
S11	1501	S S1 AND S2 AND S3
S12	58	S S11 AND S5
S13	2	S S12 AND S6
S14	22	S S12 AND S7
S15	1	S S14 AND S8
S16	0	S S14 AND S9
S17	0	S S12 AND S9
S18	348	S S1 AND S9
S19	4	S S18 AND S2
S20	3398	S P() (DOPE OR DOPING OR DOPANT OR ADDITIVE? ? OR IMPURIT????)
S21	0	S S12 AND S20
S22	2	S S18 AND S20
S23	57603	S CURRENT(3N)(LAYER???? OR STACK??? OR THICKNESS??? OR SHEET? ? OR DEPOSIT?????)
S24	0	S S12 AND S23

10/723987

2005/11/23 01:19:21 PM

S25 0 S S18 AND S23  
S26 25 S S11 AND S23  
S27 0 S S26 AND S5  
S28 8 S S26 AND S7  
S29 76391792 S PY<=2003  
S30 11174 S (CONTINU????? OR DISCONTINU?????) (3N) (VEIN? ? OR BRANCH????? OR CHANNEL????)  
  
S31 255137 S (RADIAT????? OR EMIT??????? OR EMISS?????????) (3N) (SPECTRUM OR RANG????? OR  
SPECTRA OR MAGNITUDE? ? OR AMPLITUDE? ?)  
  
S32 754661 S WAVELENGTH? ? OR WAVE()LENGTH? ?  
S33 2 S S28 AND S29  
S34 0 S S11 AND S30  
S35 79 S S11 AND S31  
S36 7 S S35 AND S5  
S37 7 S S36 AND S29  
S38 0 S S37 AND S6  
S39 1 S S18 AND S30  
S40 4 S S18 AND S31  
S41 73 S S18 AND S32  
S42 0 S S41 AND S5  
S43 0 S S41 AND S6  
S44 14 S S41 AND S7  
S45 13 S S44 AND S29  
S46 0 S S45 AND S8  
S47 13 S S45 AND S9  
S48 1 S S15 NOT S13  
S49 4 S S19 NOT (S13 OR S15)  
S50 2 S S22 NOT (S13 OR S15 OR S19)  
S51 2 S S33 NOT (S13 OR S15 OR S19 OR S22)  
S52 6 S S37 NOT (S13 OR S15 OR S19 OR S22 OR S33)  
S53 1 S S39 NOT (S13 OR S15 OR S19 OR S22 OR S33 OR S37)  
S54 4 S S40 NOT (S13 OR S15 OR S19 OR S22 OR S33 OR S37 OR S39)  
S55 13 S S47 NOT (S13 OR S15 OR S19 OR S22 OR S33 OR S37 OR S39 OR S40)